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## ASPHALT WATERPROOFING METHOD AND MATERIAL

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### Abstract

**PURPOSE:** To improve efficiency for operation by substituting a powder grain or the like having an electromagnetic induction effect for a mineral grain on the asphalt layer of a roofing surface, and bringing a magnetic force generation coil near a waterproofing object surface for generating Joule heat and forming a waterproof layer on the aforesaid surface.

**CONSTITUTION:** A non-woven fabric 1 is impregnated with molten blown asphalt 2, and both sides thereof is coated with improved asphalt 3. Furthermore, a silica rock powder 5 is adhered to one side 4 on the fabric 4, and an iron powder or the like 7 adhered to the other side 6 continuously along one end 8 in a widthwise direction. Also, the silica rock power 5 in the form of a streak 9 is adhered to other areas, thereby forming an asphalt roofing 11. Then, an electromagnetic coil 17 is energized with a high frequency generation device 14, and coupled to a unit 19. Thereafter, the coil 17 is moved and neared from the top of the roofing 11 of a flat roof to melt the improved asphalt. Adjacent roofings are thereby jointed to and integrated with each other for forming a waterproof layer. According to the aforesaid construction, only the joint boundary of the roofing 11 can be uniformly melted.

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